

Application  
Number

IDS Flag Clearance for Application 10046366

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## Continuity Information for 10/046366

### Parent Data

10046366

is a continuation in part of 09853394

### Child Data

No Child Data

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# Foreign Information for 10/046366

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# Inventor Information for 10/046366

Inventor Name	City	State/Country
VETRO, ANTHONY	STATEN ISLAND	NEW YORK
SUN, HUIFANG	CRANBURY	NEW JERSEY
YIN, PENG	PRINCETON	NEW JERSEY
LIU, BEDE	PRINCETON	NEW JERSEY

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## Inventor Name Search Result

Your Search was:

Last Name = LIU

First Name = BEDE

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">06408504</a>	Not Issued	89	08/16/1982	METHOD AND APPARATUS FOR ELEVATION ANGLE DETERMINATION AND TRACKING OF LOW ELEVATION OBJECTS	LIU, BEDE
<a href="#">07085681</a>	<a href="#">4779054</a>	150	08/17/1987	DIGITAL INPHASE/QUADRATURE PRODUCT DETECTOR	LIU, BEDE
<a href="#">07714010</a>	<a href="#">5210605</a>	250	06/11/1991	METHOD AND APPARATUS FOR DETERMINING MOTION VECTORS FOR IMAGE SEQUENCES	LIU, BEDE
<a href="#">08114961</a>	<a href="#">5398068</a>	150	09/02/1993	METHOD AND APPARATUS FOR DETERMINING MOTION VECTORS FOR IMAGE SEQUENCES	LIU, BEDE
<a href="#">08382877</a>	<a href="#">5708767</a>	150	02/03/1995	METHOD AND APPARATUS FOR VIDEO BROWSING BASED ON CONTENT AND STRUCTURE	LIU, BEDE
<a href="#">08856899</a>	<a href="#">5821945</a>	150	05/15/1997	METHOD AND APPARATUS FOR VIDEO BROWSING BASED ON CONTENT AND STRUCTURE	LIU, BEDE
<a href="#">09164474</a>	<a href="#">6285775</a>	150	10/01/1998	WATERMARKING SCHEME FOR IMAGE AUTHENTICATION	LIU, BEDE
<a href="#">09853394</a>	<a href="#">6671322</a>	150	05/11/2001	VIDEO TRANSCODER WITH SPATIAL RESOLUTION REDUCTION	LIU, BEDE
<a href="#">09854020</a>	<a href="#">7088780</a>	150	05/11/2001	VIDEO TRANSCODER WITH DRIFT COMPENSATION	LIU, BEDE
<a href="#">10046366</a>	Not Issued	71	01/14/2002	Video transcoder with spatial resolution reduction and drift compensation	LIU, BEDE
<a href="#">10776062</a>	Not Issued	20	02/11/2004	Rate-distortion models for errors resilient video transcoding	LIU, BEDE
<a href="#">10776571</a>	Not Issued	20	02/11/2004	Optimal bit allocation for error resilient video transcoding	LIU, BEDE
<a href="#">10843953</a>	Not Issued	30	05/12/2004	Method and apparatus for foreground segmentation of video sequences	LIU, BEDE
<a href="#">60159401</a>	Not Issued	159	10/14/1999	DIGITAL WATERMARKING USING SHUFFLING	LIU, BEDE

<a href="#">60219224</a>	Not Issued	159	07/18/2000	Data hiding in binary images and documents	LIU, BEDE
<a href="#">60219226</a>	Not Issued	159	07/18/2000	Approach of video transcoding by reducing spatial resolution	LIU, BEDE
<a href="#">60247307</a>	Not Issued	159	11/09/2000	Method and apparatus for analyzing robustness and security of digital watermarking and multimedia data hiding systems	LIU, BEDE
<a href="#">60423835</a>	Not Issued	159	10/03/2002	New algorithm for encryption and digital signature	LIU, BEDE
<a href="#">60508029</a>	Not Issued	159	10/02/2003	New algorithm for encryption and digital signature	LIU, BEDE
<a href="#">60525288</a>	Not Issued	159	11/26/2003	Real-time frequency domain approach to foreground segmentation in video sequences	LIU, BEDE
<a href="#">60559190</a>	Not Issued	159	04/02/2004	Method for registration of images related by affine and projective transformations	LIU, BEDE
<a href="#">60622341</a>	Not Issued	159	10/01/2004	New algorithm for encryption and digital signature	LIU, BEDE
<a href="#">60667493</a>	Not Issued	159	04/01/2005	Method for registration of images related by affine and projective transformations	LIU, BEDE

Inventor Search Completed: No Records to Display.

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	LIU	BEDE	

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## Inventor Name Search Result

Your Search was:

Last Name = YIN

First Name = PENG

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09698712</a>	<a href="#">7065212</a>	150	10/27/2000	DATA HIDING IN COMMUNICATION	YIN, PENG
<a href="#">09853394</a>	<a href="#">6671322</a>	150	05/11/2001	VIDEO TRANSCODER WITH SPATIAL RESOLUTION REDUCTION	YIN, PENG
<a href="#">09854020</a>	<a href="#">7088780</a>	150	05/11/2001	VIDEO TRANSCODER WITH DRIFT COMPENSATION	YIN, PENG
<a href="#">09865158</a>	<a href="#">6996717</a>	150	05/24/2001	SEMI-FRAGILE WATERMARKING SYSTEM FOR MPEG VIDEO AUTHENTICATION	YIN, PENG
<a href="#">09906206</a>	Not Issued	71	07/16/2001	Alpha-MSH related compounds and methods of use	YIN, PENG
<a href="#">09965421</a>	<a href="#">6633955</a>	150	09/27/2001	FOUR WAY SUPPORT FOR DYNAMIC MIRROR SERVICE POLICY	YIN, PENG
<a href="#">10046366</a>	Not Issued	71	01/14/2002	Video transcoder with spatial resolution reduction and drift compensation	YIN, PENG
<a href="#">10397403</a>	<a href="#">6904470</a>	150	03/26/2003	DEVICE SELECTION BY A DISK ADAPTER SCHEDULER	YIN, PENG
<a href="#">10541778</a>	Not Issued	30	07/11/2005	Spatial error concealment based on the intra-prediction modes transmitted in a coded stream	YIN, PENG
<a href="#">10541858</a>	Not Issued	30	07/11/2005	Fast mode decision making for interframe encoding	YIN, PENG
<a href="#">10558868</a>	Not Issued	20	11/30/2005	Decoding method an apparatus for detection of watermarks in a compressed video bitstream	YIN, PENG
<a href="#">10560567</a>	Not Issued	30	12/12/2005	Fast mode-decision encoding for interframes	YIN, PENG
<a href="#">10562250</a>	Not Issued	30	12/22/2005	Method and apparatus for weighted prediction estimation using a displaced frame differential	YIN, PENG
<a href="#">10564662</a>	Not Issued	20	01/13/2006	Motion estimation with fast search block matching	YIN, PENG

<u>10569236</u>	Not Issued	19	01/01/0001	Method and apparatus for encoding hybrid intra-inter coded blocks	YIN, PENG
<u>10569319</u>	Not Issued	19	01/01/0001	Method and apparatus for decoding hybrid intra-inter coded blocks	YIN, PENG
<u>10586123</u>	Not Issued	19	01/01/0001	Encoder with daptive rate control for h 264 (title change per search report)	YIN, PENG
<u>10607653</u>	Not Issued	90	06/27/2003	MANAGEMENT OF BACKGROUND COPY TASK FOR POINT-IN-TIME COPIES	YIN, PENG
<u>11154234</u>	Not Issued	30	06/16/2005	Physical based scheduler	YIN, PENG
<u>11154964</u>	Not Issued	30	06/16/2005	Consecutive scheduling of jobs for a device	YIN, PENG
<u>11490686</u>	Not Issued	19	07/21/2006	Alpha-MSH related compounds and methods of use	YIN, PENG
<u>60219226</u>	Not Issued	159	07/18/2000	Approach of video transcoding by reducing spatial resolution	YIN, PENG
<u>60258764</u>	Not Issued	159	12/29/2000	Alpha-MSH related compounds and methods of use	YIN, PENG
<u>60298317</u>	Not Issued	159	06/14/2001	Alpha-MSH related compounds and methods of use	YIN, PENG
<u>60416303</u>	Not Issued	159	10/04/2002	Scaled motion vector prediction for bipredictive pictures	YIN, PENG
<u>60439189</u>	Not Issued	159	01/10/2003	Directional concealment based on the intra prediction modes of the H.264 standard	YIN, PENG
<u>60439296</u>	Not Issued	159	01/10/2003	Fast mode decision of interframes for JVT encoder	YIN, PENG
<u>60482301</u>	Not Issued	159	06/25/2003	Method and apparatus for weighted prediction estimation using displaced frame differential	YIN, PENG
<u>60482302</u>	Not Issued	159	06/25/2003	Method and apparatus for insertion and detection of fingerprints in a compressed video bitstream	YIN, PENG
<u>60482331</u>	Not Issued	159	06/25/2003	Method and apparatus for fast mode decision for interframes	YIN, PENG
<u>60487458</u>	Not Issued	159	07/15/2003	Motion estimation with fast search block matching	YIN, PENG
<u>60497816</u>	Not Issued	159	08/26/2003	Method and apparatus for hybrid macroblock modes for video codecs	YIN, PENG
<u>60511026</u>	Not Issued	159	10/14/2003	Method and apparatus for film grain and comfort noise insertion into digital video	YIN, PENG
<u>60527895</u>	Not Issued	159	12/05/2003	Film grain simulation and comfort noise addition specification for DirecTV A3 system	YIN, PENG



<a href="#">60540634</a>	Not Issued	159	01/30/2004	Encoder with adaptive rate control	YIN, PENG
<a href="#">60581019</a>	Not Issued	159	06/18/2004	Method and apparatus for video codec quantization	YIN, PENG
<a href="#">60581280</a>	Not Issued	159	06/18/2004	Method and apparatus for video encoding optimization	YIN, PENG
<a href="#">60610275</a>	Not Issued	159	09/16/2004	Method and apparatus for weighted prediction video code utilizing local brightness variation	YIN, PENG
<a href="#">60610278</a>	Not Issued	159	09/16/2004	Method and apparatus for fast mode decision for interframes	YIN, PENG
<a href="#">60610512</a>	Not Issued	159	09/16/2004	Method and apparatus for rapid video frame and field coding	YIN, PENG
<a href="#">60618254</a>	Not Issued	159	10/13/2004	Method and apparatus for complexity scalable video encoding and decoding	YIN, PENG
<a href="#">60624870</a>	Not Issued	159	11/04/2004	Fast intra mode decision of B-frames for an H.264 encoder	YIN, PENG
<a href="#">60624871</a>	Not Issued	159	11/04/2004	Fast intra mode prediction for an H.264 encoder	YIN, PENG
<a href="#">60643978</a>	Not Issued	159	01/14/2005	Method and apparatus for RRU intra prediction using stored reduced resolution neighboring pixels	YIN, PENG
<a href="#">60671222</a>	Not Issued	159	04/13/2005	New 4:2:0 chroma sample format for phase difference eliminating and color space scalability	YIN, PENG
<a href="#">60671257</a>	Not Issued	159	04/14/2005	Slice adaptive motion vector coding for spatial scalable video codec	YIN, PENG
<a href="#">60698140</a>	Not Issued	159	07/11/2005	Macroblock adaptive inter-layer intra texture prediction	YIN, PENG
<a href="#">60701464</a>	Not Issued	159	07/21/2005	Method and apparatus for weighted prediction for scalable video coding	YIN, PENG
<a href="#">60701820</a>	Not Issued	159	07/22/2005	Method and apparatus for weighted prediction for scalable video coding	YIN, PENG
<a href="#">60702101</a>	Not Issued	159	07/22/2005	Method and apparatus for weighted prediction for scalable video coding	YIN, PENG

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Your Search was:

Last Name = YIN

First Name = PENG

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">60721768</a>	Not Issued	20	09/29/2005	Method and apparatus for constrained variable bit rate (VBR) video encoding	YIN, PENG
<a href="#">60722165</a>	Not Issued	20	09/30/2005	Method and apparatus for multiple pass video coding and decoding	YIN, PENG
<a href="#">60725687</a>	Not Issued	20	10/12/2005	Method and apparatus for weighted prediction in scalable video encoding and decoding	YIN, PENG
<a href="#">60725700</a>	Not Issued	20	10/12/2005	Method and apparatus for scalable video encoding and decoding	YIN, PENG
<a href="#">60725837</a>	Not Issued	20	10/12/2005	Method and apparatus for high level syntax in scalable video encoding and decoding	YIN, PENG
<a href="#">60727412</a>	Not Issued	20	10/17/2005	Method and apparatus for high level syntax in scalable video encoding and decoding	YIN, PENG
<a href="#">60728141</a>	Not Issued	20	10/19/2005	Method and apparatus for stereoscopic video using scalable video codec	YIN, PENG
<a href="#">60757289</a>	Not Issued	20	01/09/2006	Multi-view video coding system	YIN, PENG
<a href="#">60757291</a>	Not Issued	20	01/09/2006	System providing reduced resolution update mode for multi-view video coding	YIN, PENG
<a href="#">60757292</a>	Not Issued	20	01/09/2006	System providing adaptation of deblocking filter for multi-view video coding	YIN, PENG
<a href="#">60764253</a>	Not Issued	20	01/31/2006	Method and apparatus for constrained prediction for reduced resolution update mode and complexity scalability in video encoders and decoders	YIN, PENG
<a href="#">60764452</a>	Not Issued	20	02/02/2006	Method and apparatus for motion estimation using combined reference bi-prediction	YIN, PENG
<a href="#">60764493</a>	Not Issued	20	02/02/2006	Method and apparatus for adaptive weight selection for motion	YIN, PENG

				compensated prediction	
<a href="#">60765552</a>	Not Issued	20	02/06/2006	Method and apparatus for adaptive group of pictures (GOP) structure selection	YIN, PENG
<a href="#">60765553</a>	Not Issued	20	02/06/2006	Method and apparatus for reusing available motion information as a motion estimation predictor for video encoding	YIN, PENG
<a href="#">60787092</a>	Not Issued	20	03/29/2006	Method and apparatus for use in a multi-view coding system	YIN, PENG
<a href="#">60807645</a>	Not Issued	20	07/18/2006	METHOD AND APPARATUS FOR ADAPTIVE REFERENCE FILTERING	YIN, PENG
<a href="#">60807706</a>	Not Issued	20	07/18/2006	METHOD AND APPARATUS FOR MULTI-VIEW VIDEO ENCODING AND DECODING USING DECOUPLED ORDERING AND COUNT INFORMATION	YIN, PENG
<a href="#">60818655</a>	Not Issued	20	07/05/2006	High-level syntax for random access in multi view coding	YIN, PENG
<a href="#">60818874</a>	Not Issued	20	07/06/2006	Consistent frame num and POC design for MVC	YIN, PENG
<a href="#">60830195</a>	Not Issued	20	07/11/2006	Method and apparatus for use virtual reference pictures	YIN, PENG
<a href="#">60830206</a>	Not Issued	20	07/11/2006	Method and apparatus for use in a multi-view coding system	YIN, PENG
<a href="#">60834993</a>	Not Issued	20	08/02/2006	Method, apparatus, and structure for adaptive geometric partitioning for video encoding and decoding	YIN, PENG
<a href="#">10694662</a>	<a href="#">7010998</a>	150	10/28/2003	SOCKETS AND METHOD OF SURFACE TREATMENT FOR SOCKETS	YING-HAO, PENG

Inventor Search Completed: No Records to Display.

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## Inventor Name Search Result

Your Search was:

Last Name = SUN

First Name = HUIFANG

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">07789245</a>	Not Issued	166	11/07/1991	APPARATUS FOR CONCEALING ERRORS IN A DIGITAL VIDEO PROCESSING SYSTEM	SUN, HUIFANG
<a href="#">07844322</a>	<a href="#">5247363</a>	150	03/02/1992	ERROR CONCEALMENT APPARATUS FOR HDTV RECEIVERS	SUN, HUIFANG
<a href="#">08004358</a>	<a href="#">5365604</a>	150	01/14/1993	ERROR CONCEALMENT APPARATUS FOR VIDEO SIGNAL PROCESSORS	SUN, HUIFANG
<a href="#">08017455</a>	<a href="#">5455629</a>	150	02/12/1993	APPARATUS FOR CONCEALING ERRORS IN A DIGITAL VIDEO PROCESSING SYSTEM	SUN, HUIFANG
<a href="#">08053760</a>	<a href="#">5442400</a>	150	04/29/1993	ERROR CONCEALMENT APPARATUS FOR MPEG-LIKE VIDEO DATA	SUN, HUIFANG
<a href="#">08334282</a>	<a href="#">5889561</a>	150	11/04/1994	METHOD AND APPARATUS FOR SCALING A COMPRESSED VIDEO BITSTREAM	SUN, HUIFANG
<a href="#">08389524</a>	<a href="#">5621467</a>	150	02/16/1995	TEMPORAL-SPATIAL ERROR CONCEALMENT APPARATUS AND METHOD FOR VIDEO SIGNAL PROCESSORS	SUN, HUIFANG
<a href="#">08547741</a>	Not Issued	166	01/17/1996	APPARATUS AND METHOD FOR SELECTING A CODING MODE IN A BLOCK-BASED CODING SYSTEM	SUN, HUIFANG
<a href="#">08572844</a>	<a href="#">5828788</a>	150	12/14/1995	SYSTEM FOR PROCESSING DATA IN VARIABLE SEGMENTS AND WITH VARIABLE DATA RESOLUTION	SUN, HUIFANG
<a href="#">08648358</a>	<a href="#">5835151</a>	150	05/15/1996	METHOD AND APPARATUS FOR DOWN-CONVERTING A DIGITAL SIGNAL	SUN, HUIFANG
<a href="#">08738228</a>	<a href="#">6160846</a>	150	10/23/1996	APPARATUS AND METHOD FOR OPTIMIZING THE RATE CONTROL IN A CODING SYSTEM	SUN, HUIFANG

<u>08741714</u>	<u>6859495</u>	150	10/31/1996	DIGITAL VIDEO FORMAT CONVERTER AND METHOD THEREFOR	SUN, HUIFANG
<u>08742124</u>	<u>6144698</u>	250	10/31/1996	DIGITAL VIDEO DECODER AND METHOD OF DECODING A DIGITAL VIDEO SIGNAL	SUN, HUIFANG
<u>08800880</u>	<u>5790196</u>	150	02/14/1997	ADAPTIVE VIDEO CODING METHOD	SUN, HUIFANG
<u>08890192</u>	<u>6553072</u>	150	07/09/1997	SYSTEM FOR ENCODING AND DECODING LAYERED COMPRESSED VIDEO DATA	SUN, HUIFANG
<u>08896867</u>	<u>5969764</u>	150	07/18/1997	ADAPTIVE VIDEO CODING METHOD	SUN, HUIFANG
<u>09035969</u>	<u>6519288</u>	150	03/06/1998	THREE-LAYER SCALEABLE DECODER AND METHOD OF DECODING	SUN, HUIFANG
<u>09206032</u>	<u>6192080</u>	250	12/04/1998	MOTION COMPENSATED DIGITAL VIDEO SIGNAL PROCESSING	SUN, HUIFANG
<u>09219062</u>	<u>6266443</u>	150	12/22/1998	OBJECT BOUNDARY DETECTION USING A CONSTRAINED VITERBI SEARCH	SUN, HUIFANG
<u>09231698</u>	<u>6449392</u>	150	01/14/1999	METHODS OF SCENE CHANGE DETECTION AND FADE DETECTION FOR INDEXING OF VIDEO SEQUENCES	SUN, HUIFANG
<u>09231699</u>	<u>6327390</u>	150	01/14/1999	METHODS OF SCENE FADE DETECTION FOR INDEXING OF VIDEO SEQUENCES	SUN, HUIFANG
<u>09236838</u>	<u>6618507</u>	150	01/25/1999	METHODS OF FEATURE EXTRACTION OF VIDEO SEQUENCES	SUN, HUIFANG
<u>09326750</u>	<u>6400846</u>	150	06/04/1999	METHOD FOR ORDERING IMAGE SPACES TO SEARCH FOR OBJECT SURFACES	SUN, HUIFANG
<u>09326759</u>	<u>6307964</u>	150	06/04/1999	METHOD FOR ORDERING IMAGE SPACES TO REPRESENT OBJECT SHAPES	SUN, HUIFANG
<u>09345452</u>	<u>6778708</u>	150	07/01/1999	COMPRESSED BIT-STREAM SEGMENT IDENTIFICATION AND DESCRIPTOR	SUN, HUIFANG
<u>09406444</u>	Not Issued	161	09/27/1999	ACTIVITY DESCRIPTOR FOR VIDEO SEQUENCES	SUN, HUIFANG
<u>09410552</u>	<u>6542545</u>	150	10/01/1999	ESTIMATING RATE-DISTORTION CHARACTERISTICS OF BINARY SHAPE DATA	SUN, HUIFANG
<u>09496707</u>	<u>6600784</u>	150	02/02/2000	DESCRIPTOR FOR SPATIAL	SUN, HUIFANG

				DISTRIBUTION OF MOTION ACTIVITY IN COMPRESSED VIDEO	
<u>09504323</u>	<u>6493386</u>	150	02/14/2000	OBJECT-BASED BITSTREAM TRANSCODER	SUN, HUIFANG
<u>09518937</u>	Not Issued	41	03/06/2000	Method for representing and comparing multimedia content according to rank	SUN, HUIFANG
<u>09546717</u>	<u>6490320</u>	150	04/11/2000	ADAPTABLE BITSTREAM VIDEO DELIVERY SYSTEM	SUN, HUIFANG
<u>09547159</u>	<u>6574279</u>	150	04/11/2000	VIDEO TRANSCODING USING SYNTACTIC AND SEMANTIC CLUES	SUN, HUIFANG
<u>09549244</u>	<u>6192081</u>	150	10/26/1995	Apparatus and method for selecting a coding mode in a block-based coding system	SUN, HUIFANG
<u>09573467</u>	Not Issued	161	05/17/2000	Dynamic feature extraction from compressed digital video signals for content-based access by a video playback system	SUN, HUIFANG
<u>09579889</u>	<u>6650705</u>	150	05/26/2000	METHOD FOR ENCODING AND TRANSCODING MULTIPLE VIDEO OBJECTS WITH VARIABLE TEMPORAL RESOLUTION	SUN, HUIFANG
<u>09610763</u>	<u>6763069</u>	150	07/06/2000	EXTRACTION OF HIGH-LEVEL FEATURES FROM LOW-LEVEL FEATURES OF MULTIMEDIA CONTENT	SUN, HUIFANG
<u>09612876</u>	<u>6646676</u>	150	07/10/2000	NETWORKED SURVEILLANCE AND CONTROL SYSTEM	SUN, HUIFANG
<u>09634364</u>	<u>6697523</u>	150	08/09/2000	METHOD FOR SUMMARIZING A VIDEO USING MOTION AND COLOR DESCRIPTORS	SUN, HUIFANG
<u>09715639</u>	<u>7003154</u>	150	11/17/2000	ADAPTIVELY PROCESSING A VIDEO BASED ON CONTENT CHARACTERISTICS OF FRAMES IN A VIDEO	SUN, HUIFANG
<u>09835650</u>	<u>6671324</u>	150	04/16/2001	ESTIMATING TOTAL AVERAGE DISTORTION IN A VIDEO WITH VARIABLE FRAMESKIP	SUN, HUIFANG
<u>09835691</u>	Not Issued	61	04/16/2001	Encoding a video with a variable frame-rate while minimizing total average distortion	SUN, HUIFANG
<u>09853394</u>	<u>6671322</u>	150	05/11/2001	VIDEO TRANSCODER WITH SPATIAL RESOLUTION REDUCTION	SUN, HUIFANG
<u>09854020</u>	<u>7088780</u>	150	05/11/2001	VIDEO TRANSCODER WITH DRIFT COMPENSATION	SUN, HUIFANG

<a href="#">09866399</a>	Not Issued	161	05/25/2001	End-to-end traffic management and adaptive multi-hop multimedia transmission	SUN, HUIFANG
<a href="#">09961987</a>	<a href="#">6925120</a>	150	09/24/2001	TRANSCODER FOR SCALABLE MULTI-LAYER CONSTANT QUALITY VIDEO BITSTREAMS	SUN, HUIFANG
<a href="#">10005623</a>	<a href="#">6865226</a>	150	12/05/2001	STRUCTURAL ANALYSIS OF VIDEOS WITH HIDDEN MARKOV MODELS AND DYNAMIC PROGRAMMING	SUN, HUIFANG
<a href="#">10046366</a>	Not Issued	71	01/14/2002	Video transcoder with spatial resolution reduction and drift compensation	SUN, HUIFANG
<a href="#">10128758</a>	Not Issued	61	04/24/2002	Video transcoding of scalable multi-layer videos to single layer video	SUN, HUIFANG
<a href="#">10141742</a>	<a href="#">7006572</a>	150	05/09/2002	METHOD AND APPARATUS FOR DECODING VIDEO BITSTREAMS TO REDUCED SPATIAL RESOLUTIONS	SUN, HUIFANG
<a href="#">10217918</a>	<a href="#">7003038</a>	150	08/13/2002	ACTIVITY DESCRIPTOR FOR VIDEO SEQUENCES	SUN, HUIFANG

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10325986</a>	<a href="#">7092442</a>	150	12/19/2002	SYSTEM AND METHOD FOR ADAPTIVE FIELD AND FRAME VIDEO ENCODING USING MOTION ACTIVITY	SUN, HUIFANG
<a href="#">10337629</a>	Not Issued	41	12/19/2002	System and method for adaptive field and frame video encoding using rate-distortion characteristics	SUN, HUIFANG
<a href="#">10413250</a>	Not Issued	41	04/14/2003	Transcoding compressed videos to reducing resolution videos	SUN, HUIFANG
<a href="#">10442417</a>	Not Issued	93	05/21/2003	METHOD FOR SEGMENTING 3D OBJECTS FROM COMPRESSED VIDEOS	SUN, HUIFANG
<a href="#">10602963</a>	Not Issued	30	06/24/2003	System and method for determining coding modes, DCT types and quantizers for video coding	SUN, HUIFANG
<a href="#">10619358</a>	Not Issued	30	07/14/2003	Redundant packets for streaming video protection	SUN, HUIFANG
<a href="#">10639951</a>	Not Issued	30	08/13/2003	Resource-constrained encoding of multiple videos	SUN, HUIFANG
<a href="#">10659904</a>	Not Issued	30	09/11/2003	Resource-constrained sampling of multiple compressed videos	SUN, HUIFANG
<a href="#">10703809</a>	Not Issued	30	11/07/2003	System and method for classifying and filtering pixels	SUN, HUIFANG
<a href="#">10717679</a>	Not Issued	30	11/20/2003	Error resilient encoding method for inter-frames of compressed videos	SUN, HUIFANG
<a href="#">10717826</a>	Not Issued	30	11/20/2003	Error concealing decoding method of intra-frames of compressed videos	SUN, HUIFANG
<a href="#">10776062</a>	Not Issued	20	02/11/2004	Rate-distortion models for errors resilient video transcoding	SUN, HUIFANG
<a href="#">10776571</a>	Not Issued	20	02/11/2004	Optimal bit allocation for error resilient video transcoding	SUN, HUIFANG
<a href="#">10791203</a>	Not Issued	30	03/02/2004	System and method for joint de-interlacing and down-sampling using adaptive frame and field filtering	SUN, HUIFANG
<a href="#">10858109</a>	Not	30	06/01/2004	Transcoding videos based on different	SUN, HUIFANG



	Issued			transformation kernels	
<a href="#">10858162</a>	Not Issued	30	06/01/2004	Selecting macroblock coding modes for video encoding	SUN, HUIFANG
<a href="#">10964756</a>	Not Issued	30	10/14/2004	System and method for classifying pixels in images	SUN, HUIFANG
<a href="#">10965325</a>	Not Issued	30	10/14/2004	System and method for filtering artifacts in images	SUN, HUIFANG
<a href="#">11292167</a>	Not Issued	30	11/30/2005	Method and system for synthesizing multiview videos	SUN, HUIFANG
<a href="#">11292168</a>	Not Issued	30	11/30/2005	Method for randomly accessing multiview videos	SUN, HUIFANG
<a href="#">11292393</a>	Not Issued	30	11/30/2005	Method and system for managing reference pictures in multiview videos	SUN, HUIFANG
<a href="#">11385620</a>	Not Issued	25	03/21/2006	Method and system for randomly accessing multiview videos with known prediction dependency	SUN, HUIFANG
<a href="#">60000675</a>	Not Issued	159	06/29/1995	SYSTEM FOR ENCODING AND DECODING SCALABLE COMPRESSED VIDEO DATA	SUN, HUIFANG
<a href="#">60007014</a>	Not Issued	159	10/25/1995	APPARATUS AND METHOD FOR OPTIMIZING THE RATE CONTROL IN A BLOCK-BASED CODING SYSTEM	SUN, HUIFANG

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">08741714</a>	<a href="#">6859495</a>	150	10/31/1996	DIGITAL VIDEO FORMAT CONVERTER AND METHOD THEREFOR	VETRO, ANTHONY
<a href="#">08742124</a>	<a href="#">6144698</a>	250	10/31/1996	DIGITAL VIDEO DECODER AND METHOD OF DECODING A DIGITAL VIDEO SIGNAL	VETRO, ANTHONY
<a href="#">08800880</a>	<a href="#">5790196</a>	150	02/14/1997	ADAPTIVE VIDEO CODING METHOD	VETRO, ANTHONY
<a href="#">08896867</a>	<a href="#">5969764</a>	150	07/18/1997	ADAPTIVE VIDEO CODING METHOD	VETRO, ANTHONY
<a href="#">09035969</a>	<a href="#">6519288</a>	150	03/06/1998	THREE-LAYER SCALEABLE DECODER AND METHOD OF DECODING	VETRO, ANTHONY
<a href="#">09206032</a>	<a href="#">6192080</a>	250	12/04/1998	MOTION COMPENSATED DIGITAL VIDEO SIGNAL PROCESSING	VETRO, ANTHONY
<a href="#">09219062</a>	<a href="#">6266443</a>	150	12/22/1998	OBJECT BOUNDARY DETECTION USING A CONSTRAINED VITERBI SEARCH	VETRO, ANTHONY
<a href="#">09326750</a>	<a href="#">6400846</a>	150	06/04/1999	METHOD FOR ORDERING IMAGE SPACES TO SEARCH FOR OBJECT SURFACES	VETRO, ANTHONY
<a href="#">09326759</a>	<a href="#">6307964</a>	150	06/04/1999	METHOD FOR ORDERING IMAGE SPACES TO REPRESENT OBJECT SHAPES	VETRO, ANTHONY
<a href="#">09385169</a>	<a href="#">6546135</a>	150	08/30/1999	METHOD FOR REPRESENTING AND COMPARING MULTIMEDIA CONTENT	VETRO, ANTHONY
<a href="#">09410552</a>	<a href="#">6542545</a>	150	10/01/1999	ESTIMATING RATE-DISTORTION CHARACTERISTICS OF BINARY SHAPE DATA	VETRO, ANTHONY
<a href="#">09496706</a>	<a href="#">6542546</a>	150	02/02/2000	ADAPTABLE COMPRESSED BITSTREAM TRANSCODER	VETRO, ANTHONY
<a href="#">09504323</a>	<a href="#">6493386</a>	150	02/14/2000	OBJECT-BASED BITSTREAM TRANSCODER	VETRO, ANTHONY
<a href="#">09546717</a>	<a href="#">6490320</a>	150	04/11/2000	ADAPTABLE BITSTREAM VIDEO	VETRO, ANTHONY

				DELIVERY SYSTEM	
<u>09547159</u>	<u>6574279</u>	150	04/11/2000	VIDEO TRANSCODING USING SYNTACTIC AND SEMANTIC CLUES	VETRO, ANTHONY
<u>09573467</u>	Not Issued	161	05/17/2000	Dynamic feature extraction from compressed digital video signals for content-based access by a video playback system	VETRO, ANTHONY
<u>09579889</u>	<u>6650705</u>	150	05/26/2000	METHOD FOR ENCODING AND TRANSCODING MULTIPLE VIDEO OBJECTS WITH VARIABLE TEMPORAL RESOLUTION	VETRO, ANTHONY
<u>09610763</u>	<u>6763069</u>	150	07/06/2000	EXTRACTION OF HIGH-LEVEL FEATURES FROM LOW-LEVEL FEATURES OF MULTIMEDIA CONTENT	VETRO, ANTHONY
<u>09612876</u>	<u>6646676</u>	150	07/10/2000	NETWORKED SURVEILLANCE AND CONTROL SYSTEM	VETRO, ANTHONY
<u>09795952</u>	<u>6947378</u>	150	02/28/2001	DYNAMIC NETWORK RESOURCE ALLOCATION USING MULTIMEDIA CONTENT FEATURES AND TRAFFIC FEATURES	VETRO, ANTHONY
<u>09835650</u>	<u>6671324</u>	150	04/16/2001	ESTIMATING TOTAL AVERAGE DISTORTION IN A VIDEO WITH VARIABLE FRAMESKIP	VETRO, ANTHONY
<u>09835691</u>	Not Issued	61	04/16/2001	Encoding a video with a variable frame-rate while minimizing total average distortion	VETRO, ANTHONY
<u>09853394</u>	<u>6671322</u>	150	05/11/2001	VIDEO TRANSCODER WITH SPATIAL RESOLUTION REDUCTION	VETRO, ANTHONY
<u>09853801</u>	<u>6898241</u>	150	05/11/2001	VIDEO TRANSCODER WITH UP-SAMPLING	VETRO, ANTHONY
<u>09854020</u>	<u>7088780</u>	150	05/11/2001	VIDEO TRANSCODER WITH DRIFT COMPENSATION	VETRO, ANTHONY
<u>09866399</u>	Not Issued	161	05/25/2001	End-to-end traffic management and adaptive multi-hop multimedia transmission	VETRO, ANTHONY
<u>09961987</u>	<u>6925120</u>	150	09/24/2001	TRANSCODER FOR SCALABLE MULTI-LAYER CONSTANT QUALITY VIDEO BITSTREAMS	VETRO, ANTHONY
<u>10046366</u>	Not Issued	71	01/14/2002	Video transcoder with spatial resolution reduction and drift compensation	VETRO, ANTHONY
<u>10078960</u>	Not Issued	71	02/20/2002	Consistent digital item adaptation	VETRO, ANTHONY

<u>10079096</u>	<u>7099277</u>	150	02/20/2002	DYNAMIC OPTIMAL PATH SELECTION IN MULTIPLE COMMUNICATIONS NETWORKS	VETRO, ANTHONY
<u>10120947</u>	<u>7013149</u>	150	04/11/2002	ENVIRONMENT AWARE SERVICES FOR MOBILE DEVICES	VETRO, ANTHONY
<u>10128758</u>	Not Issued	61	04/24/2002	Video transcoding of scalable multi-layer videos to single layer video	VETRO, ANTHONY
<u>10189249</u>	<u>6954650</u>	150	07/05/2002	DIRECTIVITY CHARACTERISTICS OF MOBILE TERMINALS	VETRO, ANTHONY
<u>10189988</u>	Not Issued	161	07/04/2002	Interactive audio-visual system with visual remote control unit	VETRO, ANTHONY
<u>10273660</u>	Not Issued	95	10/18/2002	ADAPTIVE ERROR-RESILIENT VIDEO ENCODING USING MULTIPLE DESCRIPTION MOTION COMPENSATION	VETRO, ANTHONY
<u>10325986</u>	<u>7092442</u>	150	12/19/2002	SYSTEM AND METHOD FOR ADAPTIVE FIELD AND FRAME VIDEO ENCODING USING MOTION ACTIVITY	VETRO, ANTHONY
<u>10337629</u>	Not Issued	41	12/19/2002	System and method for adaptive field and frame video encoding using rate-distortion characteristics	VETRO, ANTHONY
<u>10413250</u>	Not Issued	41	04/14/2003	Transcoding compressed videos to reducing resolution videos	VETRO, ANTHONY
<u>10602963</u>	Not Issued	30	06/24/2003	System and method for determining coding modes, DCT types and quantizers for video coding	VETRO, ANTHONY
<u>10619358</u>	Not Issued	30	07/14/2003	Redundant packets for streaming video protection	VETRO, ANTHONY
<u>10639951</u>	Not Issued	30	08/13/2003	Resource-constrained encoding of multiple videos	VETRO, ANTHONY
<u>10659904</u>	Not Issued	30	09/11/2003	Resource-constrained sampling of multiple compressed videos	VETRO, ANTHONY
<u>10665606</u>	Not Issued	30	09/19/2003	Method and system for content aware and energy efficient transmission of videos and images	VETRO, ANTHONY
<u>10688133</u>	Not Issued	30	10/17/2003	Video encoding with motion-selective wavelet transform	VETRO, ANTHONY
<u>10703809</u>	Not Issued	30	11/07/2003	System and method for classifying and filtering pixels	VETRO, ANTHONY
<u>10717679</u>	Not Issued	30	11/20/2003	Error resilient encoding method for inter-frames of compressed videos	VETRO, ANTHONY
<u>10717826</u>	Not Issued	30	11/20/2003	Error concealing decoding method of intra-frames of compressed videos	VETRO, ANTHONY
<u>10776062</u>	Not Issued	20	02/11/2004	Rate-distortion models for errors resilient video transcoding	VETRO, ANTHONY

<a href="#">10776571</a>	Not Issued	20	02/11/2004	Optimal bit allocation for error resilient video transcoding	VETRO, ANTHONY
<a href="#">10791203</a>	Not Issued	30	03/02/2004	System and method for joint de-interlacing and down-sampling using adaptive frame and field filtering	VETRO, ANTHONY

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10832614</a>	Not Issued	30	04/27/2004	System and method for reducing ringing artifacts in images	VETRO, ANTHONY
<a href="#">10858109</a>	Not Issued	30	06/01/2004	Transcoding videos based on different transformation kernels	VETRO, ANTHONY
<a href="#">10858162</a>	Not Issued	30	06/01/2004	Selecting macroblock coding modes for video encoding	VETRO, ANTHONY
<a href="#">10923483</a>	Not Issued	30	08/20/2004	System and method for fuzzy filtering images	VETRO, ANTHONY
<a href="#">10928448</a>	Not Issued	30	08/27/2004	Compressing signals using serially-concatenated accumulate codes	VETRO, ANTHONY
<a href="#">10929050</a>	Not Issued	25	08/27/2004	Coding correlated images using syndrome bits	VETRO, ANTHONY
<a href="#">10964756</a>	Not Issued	30	10/14/2004	System and method for classifying pixels in images	VETRO, ANTHONY
<a href="#">10965325</a>	Not Issued	30	10/14/2004	System and method for filtering artifacts in images	VETRO, ANTHONY
<a href="#">11002817</a>	Not Issued	30	12/02/2004	Image transcoding	VETRO, ANTHONY
<a href="#">11006308</a>	Not Issued	30	12/07/2004	Biometric based user authentication with syndrome codes	VETRO, ANTHONY
<a href="#">11015390</a>	Not Issued	30	12/17/2004	Multiview video decomposition and encoding	VETRO, ANTHONY
<a href="#">11218261</a>	Not Issued	30	09/01/2005	Biometric based user authentication and data encryption	VETRO, ANTHONY
<a href="#">11292167</a>	Not Issued	30	11/30/2005	Method and system for synthesizing multiview videos	VETRO, ANTHONY
<a href="#">11292168</a>	Not Issued	30	11/30/2005	Method for randomly accessing multiview videos	VETRO, ANTHONY
<a href="#">11292393</a>	Not Issued	30	11/30/2005	Method and system for managing reference pictures in multiview videos	VETRO, ANTHONY
<a href="#">11301928</a>	Not Issued	25	12/13/2005	Adaptive complexity control for motion estimation during video encoding	VETRO, ANTHONY

<a href="#">11367054</a>	Not Issued	25	03/02/2006	Mode decision for intra video encoding	VETRO, ANTHONY
<a href="#">11367055</a>	Not Issued	25	03/02/2006	Quality control for image transcoding	VETRO, ANTHONY
<a href="#">11385620</a>	Not Issued	25	03/21/2006	Method and system for randomly accessing multiview videos with known prediction dependency	VETRO, ANTHONY
<a href="#">11485092</a>	Not Issued	19	07/12/2006	Method and system for processing multiview videos for view synthesis using side information	VETRO, ANTHONY

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